

I claim:

1. A method of generating optical emissions from metallic point sources, comprising the steps of:

5 forming micron-size droplets containing nano-size particles;  
passing the droplets into individual target sources;  
irradiating the individual target sources with a laser beam having substantially identical diameter to each of the individual droplets; and  
producing optical emissions from the irradiated target sources.

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2. The method of claim 1, wherein the droplets include:  
nano particles of metals in a liquid.

15 3. The method of claim 2, wherein the liquid is selected from at least one of:  
H<sub>2</sub>O, oil, oleates, soapy solutions, and alcohol.

4. The method of claim 2, wherein the droplets include:  
Tin(Sn) nano-particles in the liquid.

20 5. The method of claim 2, wherein the droplets include:  
Copper(Cu) nano-particles in the liquid.

6. The method of claim 2, wherein the droplets include:  
Zinc(Zn) nano-particles in the liquid.

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7. The method of claim 2, wherein the droplets include:  
Gold(Au) nano-particles in the liquid.

8. The method of claim 2, wherein the droplets include:  
Aluminum(Al) nano-particles in the liquid.
  
- 5 9. The method of claim 2, wherein the droplets include:  
Bismuth(Bi) nano-particles in the liquid.
  
10. The method of claim 1, wherein the room temperature includes:  
approximately 10 degrees to approximately 30 degrees C.
  
11. The method of claim 1, wherein the optical emissions include:  
EUV emissions.
  
12. The method of claim 1, wherein the optical emissions include:  
XUV emissions.
  
13. The method of claim 1, wherein the optical emissions include:  
X-ray emissions.
  
- 20 14. The method of claim 1, wherein the optical emissions include:  
wavelengths of approximately 11.7 nm.
  
15. The method of claim 1, wherein the optical emissions include:  
wavelengths of approximately 13 nm.
  
- 25 16. The method of claim 1, wherein the optical emissions include:  
wavelength ranges of approximately 0.1 nm to approximately 100 nm.

17. The method of claim 1, wherein the optical emissions include:  
wavelength ranges of approximately 0.5 nm to approximately 1.5 nm.
  
- 5 18. The method of claim 1, wherein the optical emissions include:  
wavelength ranges of approximately 2.3 nm to approximately 4.5 nm.